

SEP 24 2002

FASTA searches a protein or DNA sequence data bank
version 3.3t05 March 30, 2000
Please cite:

W.R. Pearson & D.J. Lipman PNAS (1988) 85:2444-2448

/tmp/fastaCAAygaWej: 995 aa
>SEQ ID NO:2
vs /tmp/fastaDAAzgaWej library
searching /tmp/fastaDAAzgaWej library

1008 residues in 1 sequences

FASTA (3.34 January 2000) function [optimized, BL50 matrix (15:-5)] ktup: 2
join: 39, opt: 27, gap-pen: -12/ -2, width: 16
Scan time: 0.034

The best scores are: opt
M13699 ACCESSION:M13699 NID: gi 180255 gb M13699. (1008) 2671

>>M13699 ACCESSION:M13699 NID: gi 180255 gb M13699.1 HUM (1008 aa)
initn: 1414 initl: 972 opt: 2671
Smith-Waterman score: 3980; 57.002% identity in 1014 aa overlap (1-992:1-1008)

	10	20	30	40	50	
SEQ	MKILILGIFLFLC	SSPGWAIDRHCYIGIEESIWN	YAPSGKNMLNEKPFSE	DL-----FLQ		

M13699	MKILILGIFLFLC	STPAWAKEKHYYIGIET	TWDYA---SDHGEKKLIS	VDTEHSNIYLQ		
	10	20	30	40	50	
	60	70	80	90	100	110
SEQ	GGQARKSFVFKALY	FQYTDNTFQRIIEKPSW	LGFLGPMIKAETGDFI	YVHVKNNASRAY		

M13699	NGPDRIGRLYKKAL	YLQYTDFTTIEKPVWL	GFLGPIIKAETGDKV	VVHLKNLASRPY		
	60	70	80	90	100	110
	120	130	140	150	160	170
SEQ	SYHPHGLTYSKENE	AHGA IYPDNTTGLQKE	VEYLEPGKQYTYKWY	VEEHQPGPNDSNCV		

M13699	TFHSHGITYYKEHE	--GA IYPDNTTDFQ	RADDKVYPGEQYTYM	LLATEEQSPGEGD	GNCV	
	120	130	140	150	160	170
	180	190	200	210	220	230
SEQ	TR IYHSHIDTARD	VASGLIGPILTCKRGT	LNGDTEKDIDRSSFL	MFSTTDESRSWYSD	EN	

M13699	TR IYHSHIDAPKD	IASGLIGPLIICKKDS	LDKEKEKHIDREFV	VMFVVDENFSWYLED	N	
	180	190	200	210	220	230
	240	250	260	270	280	290
SEQ	IRAF-TESGKINTS	DPRFEESMSMQSING	IYGNLPLNLTMC	AEDRVQWYFVGMGG	VAD I H	

M13699	IKTYCSEPEKVDK	DNEDFQESNRMYSV	NGYTFGSLPGLSM	CAEDRVKWYLFGMG	NEVDVH	
	240	250	260	270	280	290
	300	310	320	330	340	350
SEQ	PVYL RGQTLISRN	HRKDTIMLFPS	SLEDAFMVAKAPGV	WMLGCQ----IHES	MQAFFKVS	

M13699	AAFFH GQALTNK	NYRIDTINLFPATL	FDAYMVAQNPG	EWMLSCQNLNHLK	AGLQAFFQVQ	
	300	310	320	330	340	350

	360	370	380	390	400	410
SEQ	NCQKPSTEAFVTGTHVIHYIIAAKEILWNYAPSGIDFFTKKNLTAAGSKSQLFFERSPTR					

M13699	ECNKSSSKDNIRGKHVRHYIIAAEEIIWNYAPSGIDIFTKENLTAPGSDSAVFQEQTTR					
	360	370	380	390	400	410

	420	430	440	450	460
SEQ	IGGTYKKLIYREYTDASFQTQKAR---EEHLGILGPVFKAIEVGQTIKITFYNNASLPLSI				

M13699	IGGSYKKLVYREYTDASFQNRKERGPEEEHLGILGPVIWAEVGDTIRVTFHNKGAYPLSI				
	420	430	440	450	460

	470	480	490	500	510	520
SEQ	QPPGLHYNKSNEGLFYE---TPGG-STPPSSHVSPGTTTFVYTWEVPKDVGPSTDPNCL					

M13699	EPIGVRFNKNNEGTYYSPPNYNPQSRVPPSASHVAPTETFTYEWTPKEVGPTNADPVCL					
	480	490	500	510	520	530

	530	540	550	560	570	580
SEQ	TWFYSSVNGKKDINSGLLGPLLICRNGSLGDDGKQKGVDFEYLLATIFDENESNLLDE					

M13699	AKMYYSADVPTKDIFTGLIGPMKICKKGSLSHANGRQKDVDFEYLFPTVFDENESLLED					
	540	550	560	570	580	590

	590	600	610	620	630	640
SEQ	N-RTFITEPENIDKEDTDCQASNKMYSSINGYMYGNLPGLDTCLGDNVLWHVFSVGSVEDL					

M13699	NIRMFTTAPDQVDKEDEDFQESNKMHSNMGFMYGNQPGLTMCCKGDSVVWYLFSAAGNEADV					
	600	610	620	630	640	650

	650	660	670	680	690	700
SEQ	HGIYFSGNTFTSLGARRDTIPMFYTSQTLLMTPDSIGTFDLVCMTIKHNLGGMKHKYHV					

M13699	HGIYFSGNTYLRGERRDANLFPQTSLTLHMWPDTEGTFNVECLTDDHYTGGMKQKYTV					
	660	670	680	690	700	710

	710	720	730	740	750	760
SEQ	RQCGKPNPDQTYQEEKIIITIAAEEWWDYSPSRKWENELHHLRRENQTSMYVDRSGTL					

M13699	NQCRRQSEDSTFYLGERTYY-IAAVEVEWDYSPQREWEKELHHLQEQNVSNFLDKGEFY					
	720	730	740	750	760	770

	770	780	790	800	810	820
SEQ	LGSKYKKVLYRQYDDNTFTNQTKRNEGEKHLDDLGLPLILNPGQIIQIIFKNKAARPYSI					

M13699	IGSKYKKVVYRQYTDSTFRVPVERKAEHLGILGPQLHADVGDKVKIIFKNMATRPYSI					
	780	790	800	810	820	830

	830	840	850	860	870	880
SEQ	HAHGVTNNSTVVPQTQGEIQIYTWQIPDRTGPTSLDFECIPWFYYSTVSVAKDLHSGLV					

M13699	HAHGVTQESSTVTPTLPGETLTYVWKIPERSGAGTEDSACIPWAYYSTVDQVKDLYSLGI					
	840	850	860	870	880	890

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      890      900      910      920      930
SEQ    GPLSVCR----KDINPN-IVHRVLHFMIFDENESWYFEDSINTYASKPNKVVDKENDNFQL
      ::: ::: : ::: .. .: : : : : : : : : : : : : : : : : : : : : : :
M13699 GPLIVCRRPYLKVFNP RRKLEFALLFLVFDENESWYLDDNIKTYS DHPEKVNKDDEEFIE
      900      910      920      930      940      950

      940      950      960      970      980      990
SEQ    SNQMHAINGRLFGNNQGITFHVGDVVNWYLGIGNEADLHTVHFHGH SFYKHKYLI
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
M13699 SNKMHAINGRMFGNLQGLTMHVGDEVNWYLMGMGNEIDLHTVHFHGH SFQYKHR
      960      970      980      990      1000

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995 residues in 1 query sequences

1008 residues in 1 library sequences

Scomplib [version 3.3t05 March 30, 2000]

start: Wed Sep 18 11:18:07 2002 done: Wed Sep 18 11:18:08 2002

Scan time: 0.034 Display time: 1.433

Function used was FASTA